

Other state Secondary Contact Recreation *E. coli* criteria:

State	Secondary Contact Recreation <i>E. coli</i> Criteria (cfu)*
California (Colorado River Basin only)	630
Colorado	630
Ohio	576 (SSM w/10% allowance for exceedances)
Texas	605

*Does not include states/tribes with secondary recreation criteria the same as primary contact criteria. Only includes states that use *E. coli* for secondary contact recreation criteria indicator organism.

Proposed Indiana Primary and Secondary Contact Recreation definitions and associated criteria:

Primary Contact Recreation: Any recreational water use in which the ingestion of water is likely to occur. These include but are not limited to swimming kayaking, tubing, windsurfing and water-skiing.

Class 1a Primary Contact Recreation: Primary contact recreation has been documented or presumed to be present.

Monthly Average = 126 cfu/100 mL as a geometric mean of 5 samples equally spaced over a one month period (8 illnesses in 1000 individuals risk level)

Daily Maximum = 235 cfu/100 mL (75% confidence level on the 8 in 1000 risk level)

Class 1b Primary Contact Recreation: Primary contact recreation has not been identified following a reasonable level of inquiry and no UAA has been performed.

Monthly Average = 206 cfu/100 mL as a geometric mean of 5 samples equally spaced over a one month period (10 illnesses in 1000 individuals risk level)

Daily Maximum = 383 cfu/100 mL (samples can exceed this value 10% of the time) (75% confidence level on the 10 in 1000 risk level)

Secondary Contact Recreation: Any recreational water use in which the ingestion of water is unlikely to occur. These include but are not limited to fishing, boating, wading and limited contact incident to shoreline activities.

Possible Options:

Monthly Average = 548 cfu/100 mL (14 illnesses in 1000 individuals risk level)

Daily Maximum = 1021 cfu/100 mL (samples can exceed this value 10% of the time) (75% confidence level on the 14 in 1000 risk level)

OR

Daily Maximum = 1021 cfu/100 mL (allowing 10% exceedances would mean that there would be no *E. coli* criteria 10% of the time) (75% confidence level on the 14 in 1000 risk level)

OR

Daily Maximum = 2507 cfu/100 mL (allowing 10% exceedances would mean that there would be no *E. coli* criteria 10% of the time) (95% confidence level on the 14 in 1000 risk level)

OR

Narrative Criterion: The concentration of *E. coli* in surface waters designated for secondary contact recreation shall not cause unreasonable risk to human health. In addition, the concentration of *E. coli* discharged to a water body shall not cause or contribute to impairment of designated or existing recreational uses or cause or contribute to impairment of downstream recreational uses. *(Note: EPA has not reviewed this narrative, nor are we aware of any state that has adopted a narrative criterion for secondary contact in lieu of numeric criteria. EPA would likely require either numeric criteria or some means of translating the narrative into numeric criteria.)*